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(54) Title: INTERACTIVE BUILDING MODULE**(57) Abstract**

A modular building structure which can be converted between a variety of usage modes, such as an office, hotel or residential purposes. Each module includes fittings that allow for attachment and detachment of internal components to enable conversion between the usage modes. The modules may be joined in different ways, such as in a checkerboard configuration. Also disclosed are an exchange module to permit the secure exchange of items to or from the building structure to which access is permitted if authorisation information matches an access instruction, and a resource management system to control the use of resources such as electricity and water in which a resource source is chosen that meets rather than exceeds the requirements of the resource demand.

**Modular Assembly
Process
Fixed Interactive
Module**
